

### Claims

1. In combination with a harvesting machine including an engine, a crop processing arrangement mounted for being driven in rotation, a driveline coupled between said engine and said crop processing arrangement and containing a main drive clutch, a safety arrangement, comprising: a brake being mounted for being selectively applied for stopping rotation of said crop processing arrangement, a control arrangement including a sensor for detecting an operator safety condition; said control arrangement being coupled to said brake and being operable for controlling said brake in such a way that it applies a braking effect to stop rotation of said crop processing arrangement in response to receiving a signal from said sensor, which indicates that a safe condition for said operator does not exist.

2. The combination, as defined in claim 1, wherein said control arrangement is coupled to said main clutch for selectively effecting engagement and disengagement of said main clutch; and said control arrangement being operable for effecting disengagement of said main clutch approximately simultaneously with effecting engagement of said brake.

3. The combination, as defined in claim 1, and further an operating switch connected to said control arrangement for selectively controlling said main clutch for selectively coupling said engine to said driveline for driving said crop processing arrangement; said sensor being an operator presence sensor located at an operator station; and an ignition switch for selectively turning the engine on and off also being connected to said control arrangement.

4. The combination, as defined in claim 3, wherein said brake is spring-applied and hydraulically-released; an engine-driven pump coupled for supplying pressurized fluid to said brake, whereby said brake is automatically engaged upon a loss of pressure caused by turning off said engine.

5. The combination, as defined in claim 1, wherein said brake is coupled to said driveline at a location spaced a considerable distance from said crop processing arrangement.

6. The combination, as defined in claim 2, wherein said harvesting machine includes a hydraulically engagable drive effecting arrangement associated

with said driveline between said main clutch and said crop processing arrangement and operable for maintaining a drive connection between said main clutch and said crop processing arrangement only so long as a predetermined fluid pressure is present at said drive-effecting arrangement; and an accumulator coupled to said drive-effecting arrangement for maintaining said predetermined fluid pressure for maintaining said drive connection between said main clutch and said crop processing arrangement for a predetermined period of time after said engine is turned off, whereby a braking force of said brake is applied to said crop processing arrangement for said predetermined period of time after said engine is turned off.

7. The combination, as defined in claim 6, wherein said crop processing arrangement is a chopper drum.